



# SAFETY DATA SHEET

Issuing Date No data available

Revision Date 18-March 2015

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name QUARRY TILE CLEANER

### Other means of identification

Product Code(s) 155750

Synonyms N/A

### Recommended use of the chemical and restrictions on use

Recommended Use Tile Cleaner

Uses advised against No Information Available

### Supplier's details

**Supplier Address**  
Birsch Industries  
476 Viking Drive  
Virginia Beach, VA. 23452  
TEL: 757-622-0355

### Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.  
24 Hour Emergency Contact 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

METAL CORROSION – Category 1  
SKIN IRRITANT – Category 2  
EYE IRRITANT – Category 2A

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal Word WARNING

**Hazard Statements**

- May be corrosive to metals.
- Causes skin irritation.
- Causes serious eye irritation.

**Appearance** Red**Physical State** Liquid**Odor** Acrid**Symbol:****Precautionary Statements****Prevention**

Wear protective gloves and eye protection. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

**Eyes**

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

IF SWALLOWED, rinse mouth. Do NOT induce vomiting.

**Skin**

IF ON SKIN, wash with plenty of water. If skin irritation occurs, get medical advice/attention.

**Inhalation**

IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Storage and Disposal**

Keep only in original container. Absorb spillage to prevent material damage. Store in corrosive resistant container with a resistant inner liner.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms**

Chemical Name	CAS-No	Weight %	Notes
Phosphoric acid	7664-38-2	< 15	*
Hydrochloric Acid	7647-01-0	< 6	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures****General Information**

Immediately remove any clothing soiled by the product.

**Eye Contact**

Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**Skin Contact**

Immediately wash with water and soap and rinse thoroughly.

**Inhalation**

Supply fresh air; consult doctor in case of complaints.

**Ingestion** Rinse out mouth and then drink plenty of water. Do NOT induce vomiting; immediately call for medical help.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Coughing. Breathing difficulty. Nausea. Gastric or intestinal disorders when ingested. Irritating to eyes and skin. Danger of gastric perforation. May cause respiratory irritation.

**Indication of Any Immediate Medical Attention and Special Treatment** Medical supervision for at least 48 hours. Oxygen respiration treatment, if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

CO<sub>2</sub>, extinguishing power or water spray. Fight larger fires with water spray or alcohol resistant foam. Do NOT use limestone powder.

**Specific Hazards Arising from the Chemical**

During heating or in case of fire, poisonous gases are produced.

**Hazardous Thermal Decomposition Products**

No information available

**Specific Fire-Fighting Methods**

No information available

**Protective Equipment and Precautions for Firefighters**

Wear self-contained respiratory protective device. Wear fully protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Wear protective equipment. Keep unprotected persons away. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions** Do not allow to enter sewers/surface or ground water.

**Methods and materials for containment and cleaning up**

**Methods for Cleaning Up** Use limestone to neutralize and absorb spill. Dispose contaminated material as waste according to item 13. Send for recovery or disposal in suitable receptacles. Clean the affected area carefully with warm water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Prevent formation of aerosols. Use only in well ventilated areas. Avoid splashes or spray in enclosed areas.

**Conditions for safe storage, including any incompatibilities**

**Storage** Store only in original receptacle. Provide ventilation for receptacles. Do NOT use aluminum or steel receptacles. Store away from foodstuffs.

**Incompatible Products** Store away from acids. Do not store together with alkalis (caustic solutions).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Components with limit values that require monitoring at the workplace:**

<b>7664-38-2 Phosphoric acid</b>	
<b>PEL (USA)</b>	Long-term value: 1 mg/m <sup>3</sup>
<b>REL (USA)</b>	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
<b>TLV (USA)</b>	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
<b>EL (Canada)</b>	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
<b>EV (Canada)</b>	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
<b>LMPE (Mexico)</b>	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
<b>7647-01-0 Hydrochloric acid</b>	
<b>PEL (USA)</b>	Ceiling limit value: 7 mg/m <sup>3</sup> , 5 ppm
<b>REL (USA)</b>	Ceiling limit value: 7 mg/m <sup>3</sup> , 5 ppm
<b>TLV (USA)</b>	Ceiling limit value: 2.98 mg/m <sup>3</sup> , 2 ppm
<b>EL (Canada)</b>	Ceiling limit value: 2 ppm
<b>EV (Canada)</b>	Ceiling limit value: 2 ppm
<b>LMPE (Mexico)</b>	Ceiling limit value: 2 ppm A4

**General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

**Appropriate engineering controls**

No information available.

**Individual protection measures, such as personal protective equipment**

<b>Eye &amp; Face Protection</b>	Safety glasses.
<b>Hand &amp; Skin Protection</b>	Protective gloves: The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
<b>Respiratory Protection</b>	Use suitable respiratory protective device when aerosol or mist is formed. Use suitable respiratory protective device when high concentrations are present. For spills, respiratory protection may be advisable.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Appearance</b>	Yellow
<b>Odor</b>	Characteristic	<b>Odor Threshold</b>	No information available

<b>Property</b>	<b>Values</b>
<b>pH</b>	< 1
<b>Melting Point/Range</b>	No data available
<b>Boiling Point/Boiling Range</b>	> 100° C
<b>Flash Point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Flammability Limits in Air</b>	
<b>upper flammability limit</b>	No data available
<b>lower flammability limit</b>	No data available

<b>Vapor Pressure</b>	23 hPa (17 mm Hg)
<b>Vapor Density</b>	1.07 g/cm <sup>3</sup> (8.929 lbs/gal)
<b>Relative Density</b>	No data available
<b>Specific Gravity</b>	No data available
<b>Water Solubility</b>	No data available
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Flammable Properties</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

## 10. STABILITY AND REACTIVITY

### Stability

The product is stable

### Possibility of hazardous reactions

Reacts with alkali. Corrosive action on metals. Toxic fumes may be released if heated above the decomposition point. Reacts with light alloys to form hydrogen.

### Conditions to avoid

No information available

### Incompatible materials

No information available

### Hazardous decomposition products

Under fire conditions only: Phosphorus oxides, Chlorine

## 11. TOXICOLOGICAL INFORMATION

### Route of Exposure

Skin contact, Eye contact, Inhalation, Ingestion

### Symptoms

<b>Eye Contact</b>	Irritating effect
<b>Skin Contact</b>	Irritant to skin and mucous membranes

### Chronic Toxicity

<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental Effects</b>	No known significant effects or critical hazards.
<b>Fertility Effects</b>	No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Toxicity**

The product contains materials that are harmful to the environment. Inorganic product, is not eliminable from water by means of biological cleaning processes.

**Behavior in Environmental Systems**

No further relevant information available

**Additional Ecological Information**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non hazardous wastes. Residual materials should be treated as hazardous.

**Uncleaned Packaging**

Disposal must be made according to official regulations.

### 14. TRANSPORT INFORMATION

**DOT/IMDG/IATA**

<b>UN Number</b>	UN3264
<b>Proper Shipping Name</b>	Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric acid, Phosphoric acid)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

### 15. REGULATORY INFORMATION

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372: **111-76-2 2-butoxyethanol**

**SARA Hazard Categories**

**Section 355 (Extremely Hazardous Substances):** 7647-01-0 Hydrochloric acid  
**Section 313 (Specific Toxic Chemical Listings):** 7664-38-2 Phosphoric acid  
 7647-01-0 Hydrochloric acid

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**US State Right-To-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

**Carcinogenic Categories**

**EPA (Environmental Protection Agency):** Not Listed

**IARC (International Agency for Research on Cancer) – 7647-01-0** Hydrochloric acid

**TLV (Threshold Limit Value established by ACGIH) - 7647-01-0** Hydrochloric acid

<b>16. OTHER INFORMATION</b>			
<b><u>NFPA</u></b>	Health 1	Flammability 0	Instability 0
<b><u>HMIS</u></b>	Health 1	Flammability 0	Physical Hazards 0
<b>Prepared By</b>	Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355		
<b>Issuing Date</b>	No information available		
<b>Revision Date</b>	3-March 2015		
<b>Revision Note</b>	N/A		
<b><u>General Disclaimer</u></b>			
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.			
<b>End of Safety Data Sheet</b>			